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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/722,616	11/27/2000	Pekka Ketola	944-001.014	5763

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EXAMINER

NGUYEN, SIMON

ART UNIT PAPER NUMBER

2685

DATE MAILED: 11/28/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/722,616

Applicant(s)

KETOLA ET AL.

Examiner

SIMON D NGUYEN

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 27 November 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-9, 14 and 15 is/are rejected.
- 7) ☐ Claim(s) 10-13 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
- a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 3.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-5, 14-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hill et al. (6,470,189).

Regarding claim 1, Hill discloses a system, within a wireless telecommunication network (fig.1), comprising: at least one master mobile terminal (column 3 line 45, figs.2-3), each of which is responsive to user input (# 320 of fig. 3, column 4 line 2), and each of which is for providing an outgoing radio signal (column 3 lines 58, 64), wherein the outgoing radio signal synchronously shares information about a t least one internally controlled shared document that is exclusively controlled by the master mobile terminal (column 4 lines 38-40, column 5 lines 55-63); and at least one slave terminal (column 3 lines 49), responsive to the outgoing radio signal, for providing an external document display signal (column 4 lines 3-4). It should be noted that Hill discloses the shared document has its provisioning requirements with a predetermined criterion, such as the group identifier, a time of day, of the requesting transceiver to determine which and how much information can be shared with the requesting transceiver (column 4 lines 26-67, column 5 lines 55-63) which is obviously to interpret as the outgoing radio signal

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internally controlled shared document (any of information # 322, 324, 326, 328, 330, 332, 336 in memory 312). It should be also noted that Hill does not specifically disclose the term "synchronously". However, Hill discloses a clock for supporting keeping requirements of the transceiver which means to control the synchronization between the messages transmitted/received in the terminal which is well-known to one skilled in the art in order to get a desired information.

Regarding claim 14, this claim is rejected for the same reason as set forth in claim 2.

Regarding claims 2 and 15, Hill discloses the transceivers 122 (figs.1-2) including voice (audio) and data messages (column 3 line 38) which means the transceivers also used as telephones which inherently uses for conversation (or discuss).

Regarding claim 3, Hill discloses a mobile terminal equipped with an antenna for transmitting an outgoing radio signal and for receiving an incoming radio signal, in a wireless telecommunication system (fig.3, column 3 line 64), comprising: an input device (320 of fig.3) for controlling and requesting the operation of the transceiver in a memory (column 4 lines 1-3, 26-67, fig. 4); a receiver (308 of fig.3), for externally controlled shared document that is shared with at least one other terminal (figs.2-4, column 3 line 40 to column 4 line 67); a signal processor (310 of fig.3), for controlling inbound and outbound messages and providing an inbound/outbound document sharing signal (fig.3, column 4 lines 35-46, column 5 lines 59-63), and internal document display signal (outbound message) and an external document display signal (inbound message) (column 4 lines 3-4); a transmitter (309 of fig.3) for internal document sharing

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signal and providing the outgoing radio signal (column 3 lines 59-67); and a display (314 of fig.3) for displaying the inbound and outbound messages (column 4 line 4). It should be also noted that Hill does not specifically disclose the term "synchronously". However, Hill discloses a clock for supporting keeping requirements of the transceiver (304 of fig. 3, column 4 lines 6-8) which means to control the synchronization between the messages transmitted/received in the terminal which is well-known to one skilled in the art in order to get a desired information.

Regarding claims 4-5, Hill further discloses the mobile terminal is capable of being a slave terminal or a master terminal (fig.2, column 3 lines 40-54).

3. Claims 6-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hill et al. (6,470,189) in view of Tomimori (6,456,841).

Regarding claim 6, Hill discloses a voice and data transceiver for sharing data with other transceiver (fig.3). It should be noted that the transceiver is obviously included a microphone and a speaker which is known to one skilled in the art. However, Hill does not specifically a speaker and a microphone.

Tomimori discloses a mobile voice/data device including a speaker and a microphone (figs.2-3). Therefore, it would have been obvious to one skilled in the art at the time the invention was made to have Hill, modified by Tomimori to have a speaker and a microphone in the communication device in order to utilize both voice and data communications.

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Regarding claim 7, this claim is rejected for the same reason as set forth in claim 2.

Regarding claims 8 and 9, Hill does not disclose the shared information is superimposed over each other and the shared information includes calendar (schedule) documents.

Tomimori discloses a mobile communication terminal (fig.2) which is capable of superimposing documents (messages) over each other on a display and the messages comprises calendar (schedule) messages (column 6 line 1 to column 8 line 53).

Therefore, it would have been obvious to one skilled in the art at the time the invention was made to have Hill, modified by Tomimori to exchange shared message between the mobile communication terminals in order to improve shared data in the wireless communications.

Allowable Subject Matter

4. Claims 10-13 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Regarding claims 10-13, the prior art of record fails to specifically disclose the signal processor comprises external shared document memory means for providing the external document display signal and internal shared document memory means for providing the internal document display signal.

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5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Simon Nguyen whose telephone number is (703) 308-1116. The examiner can normally be reached on Monday-Friday from 7:00 AM to 4:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward F. Urban, can be reached on (703) 305-4385.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 306-0377.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

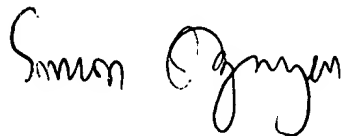
Or faxed to:

(703) 872-9314, (for formal communications intended for entry)

Hand-delivered response should be brought to Crystal Park II,
2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

Simon Nguyen

November 24, 2003

A handwritten signature in black ink, appearing to read "Simon Nguyen". The signature is written in a cursive, flowing style.